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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,542 09/28/2001		Stanford W. Crane JR.	040879-0009-07	3273
9629	7590 11/20/2002			
MORGAN	LEWIS & BOCKIUS	EXAMINER		
	SYLVANIA AVENUE 1 TON, DC 20004	NORRIS, JEREMY C		
			ART UNIT	PAPER NUMBER
			2827	
		DATE MAILED: 11/20/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	pplicant(s)					
•	•	09/964,54	1 2	CRANE ET AL.					
•	Office Action Summary	Examiner	•	Art Unit					
		Jeremy C		2827					
Period for	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE N - Extens after S - If the s - If NO - Failure - Any re	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN sions of time may be available under the provisions period for reply specified above is less than thirty (3 period for reply is specified above, the maximum st e to reply within the set or extended period for reply perly received by the Office later than three months d patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In no ev munication. 30) days, a reply within the stat tatutory period will apply and we would by statute cause the appropriate	ent, however, may a reply be tutory minimum of thirty (30) dirill expire SIX (6) MONTHS fro	timely filed ays will be considered timely. m the mailing date of this comi IED (35 U.S.C. § 133).	munication.				
1)🛛	Responsive to communication(s) f	iled on <u>26 August 200</u>	<u>02</u> .						
2a)⊠	This action is FINAL .	2b) ☐ This action is			_				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims									
-	Claim(s) 47-55 is/are pending in th	e application.							
• —	4a) Of the above claim(s) is/a		onsideration.						
	Claim(s) is/are allowed.								
• —	6)⊠ Claim(s) <u>47-49,51 and 53-55</u> is/are rejected.								
•	7)⊠ Claim(s) <u>50 and 52</u> is/are objected to.								
8) Claim(s) are subject to restriction and/or election requirement.									
Application Papers									
9) The specification is objected to by the Examiner.									
10)⊠ The drawing(s) filed on <u>28 September 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.									
If approved, corrected drawings are required in reply to this Office action.									
'	The oath or declaration is objected	to by the Examiner.							
	under 35 U.S.C. §§ 119 and 120			n() ()) (6)					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).									
a) ☐ All b) ☐ Some * c) ☐ None of:									
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).									
a) ☐ The translation of the foreign language provisional application has been received. 15) ☑ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.									
Attachme									
2) Not	ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review rmation Disclosure Statement(s) (PTO-1449	/ (PTO-948)) Paper No(s) <u>5</u> .	4) Interview Sumi 5) Notice of Inform 6) Other:	mary (PTO-413) Paper No(nal Patent Application (PT0	s) D-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 47-49, 51, and 53-55 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5,034,800, granted to Marchisi (hereafter Marchisi).

Marchisi discloses, referring to figure 1, a semiconductor die carrier comprising: a housing for holding at least one semiconductor die (1) and including: an end surface having a perimeter (3c); and a peripheral side wall (7a', 7b') connected to the end surface, extending about the perimeter of the end surface and including an outer peripheral surface and an inner peripheral surface; an inner wall (7a, 7b) within the perimeter of the end surface and including an outer surface spaced from and opposing the inner peripheral surface of the peripheral side wall, and an inner surface facing the center of the housing; and a plurality of conductive leads (3a,b) inserted through the peripheral side wall and the inner wall [claim 47], further comprising a cavity (5) extending between the inner peripheral surface of the peripheral side wall and the outer surface of the inner wall [claim 48], further comprising a filler in the cavity to seal an interior of said housing (see abstract) [claim 49], further comprising a semiconductor die (1) received on the end surface; and the inner wall encircles the semiconductor die [claim 51], wherein the plurality of leads each comprise a substantially L-shape (see

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figure 4) [claim 54], wherein the peripheral side wall comprises a first material (plastic) and the end surface comprises a second material (metal) different from the first material [claim 55], wherein the leads are arranged in multiple spaced apart rows [claim 53].

Allowable Subject Matter

Claims 50 and 52 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments with respect to the rejected claims have been considered but are most in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 5,235,208, granted to Katoh.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy C. Norris whose telephone number is 703-306-5737. The examiner can normally be reached on Mon.-Th., 9AM - 6:30 PM and alt. Fri. 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-0725 for regular communications and 703-308-0725 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

JCSN

November 18, 2002

al REDT W PALADINI

ALBERT W. PALADINI
PRIMARY EXAMINER